Click me!

/diy/ - Do-It-Yourself

Posting mode: Reply

[Return] [Catalog] [Bottom]

Name	
E-mail	
Subject	Submit
Comment	
Verification	but meetdj — reCAPTCHA Challenge (Rec — 4chan Pass users can bypass this CAPTCHA. [Learn More] — stop spam. read books.
File	Browse...
Password	•••••••• (Password used for deletion)

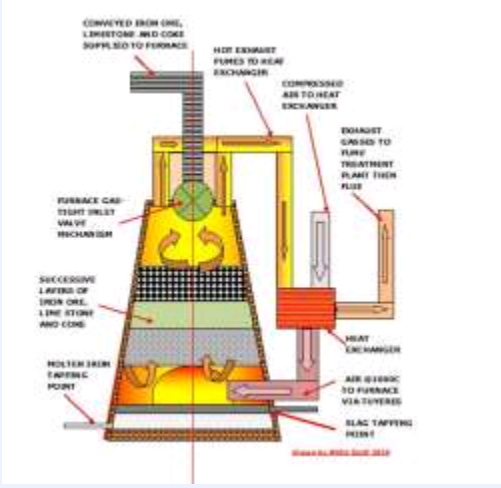
- Supported file types are: GIF, JPG, PNG
- Maximum file size allowed is 3072 KB.
- Images greater than 250x250 pixels will be thumbnailed.
- Read the rules and FAQ before posting.
- [redacted] このサイトについて - 翻訳

[redacted]

4chan's mobile site has received a number of tweaks, the most notable being basic extension support. Give it a whirl and report any bugs to moot@4chan.org

Our extended 4chan Pass holiday sale has ended. Thanks to everyone who purchased one!

File: 1358910949936.jpg-(58 KB, 600x600, HNI_0075_JPG.jpg)



Minecrafting related crap
Anonymous 01/22/13(Tue)22:15 No.380005 Replies: >>380074 >>380112 >>380640 >>380756 >>381130

I went mining a couple weeks back and found alot of shit.

My luckiest finds being, silver quartz, and gold.

I want to know if there is a less industrialized way of smelting all this shit.

>> **Anonymous** 01/22/13(Tue)23:03 No.380048 Replies: >>380505

Rockhounding is a hobby of mine and you've raised my interest. Could we get pics of said finds?

>> **A hammer & alot of matches** **Anonymous** 01/22/13(Tue)23:24 No.380074

>>380005 (OP) #
13/10 says troll be trolling

>> **Anonymous** 01/22/13(Tue)23:49 No.380112

>>380005 (OP) #
> less industrialized

dude you need to get serious clue. if you just want to melt existing metals, its reasonably straightfoward ("home made forge" type tech), a lot of heat melts.

if you are trying to actually separate metals from each other, be prepared for a very sophisticated and complex system.

reducing ore to anything more than pigs of rough, impure metal will be incredibly difficult and complex.

quartz has no value unless you find pretty crystals to sell to jewelers or newage people

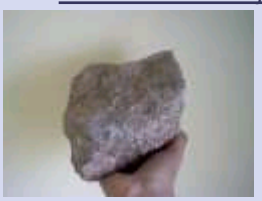
>> **Anonymous** 01/23/13(Wed)15:09 No.380505

>>380048 #
allow me to get the photos.

>> **Anonymous** 01/23/13(Wed)15:16 No.380512
File: 1358972197224.jpg-(90 KB, 640x480, HNI_0077_MPO.jpg)

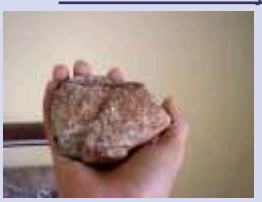
1/9

>> **Anonymous** 01/23/13(Wed)15:19 No.380514
File: 1358972356403.jpg-(91 KB, 640x480, HNI_0076_MPO.jpg)



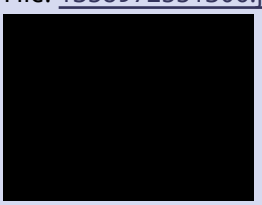
2/9
Same rock from first but from another angle

>> **Anonymous** 01/23/13(Wed)15:21 No.380517
File: 1358972469142.jpg-(98 KB, 640x480, HNI_0078_MPO.jpg)



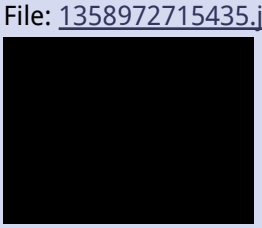
3/9
I can see rust on it.

>> **Anonymous** 01/23/13(Wed)15:22 No.380520
File: 1358972551306.jpg-(102 KB, 640x480, HNI_0079_MPO.jpg)



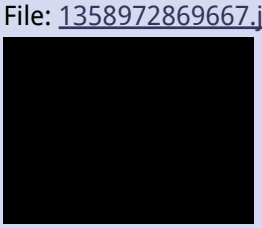
4/9
One side of a large rock contains copper ore

>> **Anonymous** 01/23/13(Wed)15:25 No.380523
File: 1358972715435.jpg-(105 KB, 640x480, HNI_0080_MPO.jpg)



5/9
camera shake
on another side I found a small vein of (according to an uncle of mine) Quartz...I'm not sure

>> **Anonymous** 01/23/13(Wed)15:27 No.380525 Replies: >>381135
File: 1358972869667.jpg-(113 KB, 640x480, HNI_0081_MPO.jpg)



6/9
when the sunlight struck it, I saw small sparkling areas.
The spot where I was mining apparently has silver so I assume it is so.

>> **Anonymous** 01/23/13(Wed)15:29 No.380529
File: 1358972956684.jpg-(123 KB, 640x480, HNI_0082_MPO.jpg)

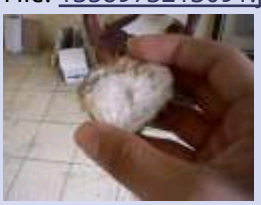
7/9
I can't really tell what it is

>>

Anonymous 01/23/13(Wed)15:30 No.380530
File: 1358973047261.jpg-(109 KB, 640x480, HNI_0083_MPO.jpg)

8/9
Excuse the poor lighting
It's cloudy today

>> **Anonymous** 01/23/13(Wed)15:33 No.380531
File: 1358973213091.jpg-(102 KB, 640x480, HNI_0084_MPO.jpg)



9/9
I saw a chunk of this sticking out of a rocks side a decided to dig it out.
I only managed to carry a few with me.
Given my bucket with all the ores was stuffed full

>> **Anonymous** 01/23/13(Wed)17:41 No.380607

Take some cobbelstone and make a 3x3 square leaving the middle empty. Then just throw some charcoal in, followed by the ore.

>> **Anonymous** 01/23/13(Wed)18:15 No.380620
File: 1358982940400.jpg-(62 KB, 541x841, Gingery_Lil_Bertha_Book.jpg)

you my friend need to acquaint yourself with the ouvre of one Dave Gingery

>> **Anonymous** 01/23/13(Wed)18:17 No.380622
File: 1358983079184.jpg-(12 KB, 280x210, nail_clippers.jpg)

>> **Anonymous** 01/23/13(Wed)18:42 No.380640 Replies: >>380650 >>381114

>>380005 (OP) #
>I want to know if there is a less industrialized way of smelting all this shit.
Put it in a microwave oven for a couple of hours.

>> **Anonymous** 01/23/13(Wed)18:51 No.380650 Replies: >>381114
File: 1358985084437.jpg-(30 KB, 485x485, how0903smelt_485x485.jpg)

>>380640 #
That won't work by itself.

You need special blocks of silicon carbide to create heat in order to use microwaves as furnaces. It can be done, but you need to do a little DIY to it first.

[redacted]

http://www.popsci.com/diy/article/2003-09/smelting-microwave

>> **Anonymous** 01/23/13(Wed)20:21 No.380720 Replies: >>381114

nothing you have is worth smelting. You need more, and you need real ore. Silver color means nothing. This is my final year studying economic geology and have worked in small scale mining of industrial minerals. Sorry bro, but try again.

>> **Anonymous** 01/23/13(Wed)20:53 No.380756
File: 1358992411495.jpg-(442 KB, 1182x1572, Smelting in a Microwavel.jpg)

>>380005 (OP) #
efficient? probably not. Cool? your damn skippy!

>> **Anonymous** 01/23/13(Wed)22:58 No.380822 Replies: >>381114

little sparkling points are in a lot of rocks...
terrible indicator that you don't just have some shitty worthless rock

>> **Anonymous** 01/24/13(Thu)11:44 No.381114

>>380822 #
>>380720 #
Well, shit.
Next destination, the mines in the outskirts of the city and Colima's gold mine.

>>380650 #
>>380640 #
Wow, I try to get into that.
Thanks

>> **Anonymous** 01/24/13(Thu)12:40 No.381128 Replies: >>381132

quick question:
If I were to dig at the base of an often inactive volcano, would I be able to find diamonds?

>> **Anonymous** 01/24/13(Thu)12:55 No.381130 Replies: >>381140

>>380005 (OP) #

wait -- OP, are you 'mining' with no knowledge of geology, minerals, chemistry? do you have test equipment and chemistry, gear (geiger counters -- as gold etc are often associated with other large-atom metals)?

>> **Anonymous** 01/24/13(Thu)12:55 No.381132

>>381128 #
You're likely to find obsidian, not sure about diamonds but I would think no.

>> **Anonymous** 01/24/13(Thu)12:59 No.381135

>>380525 #

oh man, you need clue.

silver ores are BLACK. metals in the ground are in the form of oxides, or salts, or other compounds, with very few exceptions.

copper is usually greenish. but not always.

do you even have any idea the ratio of metal to ore? you are gonna need to process tens of thousands of tons.

the chance of you finding a decent-grade ore of any popular metal, close to the ground, went to just about zero over 100 years ago.

rtfm and good luck.

/thread

>> **Anonymous** 01/24/13(Thu)13:10 No.381140

>>381130 #
I only have little knowledge.
The city I live in is in a valley, I've seen, plenty of Iron and copper off the sides of the mountain.

Given our altitude, digging deeper will get me to some more, precious ores.

My grandfather was a miner so I could learn a thing or two from him.

>> **Anonymous** 01/24/13(Thu)13:34 No.381149 Replies: >>381151 >>381152

Blacksmith here.
I can tell you how to smelt Iron, that's about as much as I can tell you though.
I don't know if the same process would work for Silver Quartz or Gold.

>> **Anonymous** 01/24/13(Thu)13:37 No.381151 Replies: >>381152

>>381149 #
very well.
I'm waiting

>> **Anonymous** 01/24/13(Thu)13:38 No.381152

>>381149 #
>>381151 #
Also waiting...

>> **Anonymous** 01/24/13(Thu)13:57 No.381158 Replies: >>381161 >>381162

..Apologies.
Landlady called me for food.

Smelting Iron. - You take your iron ore, you put it in a Blast Furnace.
You can also use a forge.
It's very much like the diagram in OP's picture. - I use house bricks, or

fire bricks. Light a fire using coke as a fuel in the base of it, and power it with a high powered, three phase fan.
Bellows wont work with coke, as coke as a fuel needs a constant air flow into it.
You put your ore in there, and it will melt. - At the end of the smelting process, you will get two waste products. Slag, which is basically pure carbon and sulfur, which is waste from everything but the iron.
You will also have raw lumps of iron in the waste. Fish these out. Iron has a lower melting point than everything else that you're putting in there, which is why it will melt first, and isn't compact with all the shit it went in there with when it solidifies.

After this, you make a billet of iron out of the iron lumps you have. Simply throw these in a forge, until they are at welding heat. (Basically just below melting point), and they will weld together, pretty much like plasticine or such.
You then have your billet of iron.
- Yes, it wont be the purest thing in the world.

Basically, if you want to get it purer, and cleaner. Heat it up again. Fold it back on itself and weld itself together. Each time you do this, a significant amount of crap and slag will be deposited from the metal. However, you will also melt 10% of the metal you have roughly, each time you do this.

That's how I get my iron.

>> **Anonymous** 01/24/13(Thu)14:00 No.381161

>>381158 #
That was a very rushed response, by the way.
Forge welding is NOT easy, which is why the production of steel and iron is industrialized. A lot of Blacksmiths who have been forging for over two or three years still cannot do it. So good luck, sir.

>> **Anonymous** 01/24/13(Thu)14:01 No.381162 Replies: >>381165 >>381168

>>381158 #
Well then.
I'm going to screencap this for reference.

Thanks.

>> **Anonymous** 01/24/13(Thu)14:04 No.381165

>>381162 #
Do post another thread soon, if you could. When it's done. I'd like to see how it all turns out with the different metals.

>> **Anonymous** 01/24/13(Thu)14:07 No.381168

>>381162 #
PDFing the thread...

>> **Anonymous** 01/24/13(Thu)15:05 No.381205

http://www.thetoasterproject.org/page2.htm

Put it in the Microwave. Just make sure you insulate the inside of the Microwave with High temp Ceramic Fibre wool - to protect it from

melting itself. Also, tape over the vents of the Microwave with masking tape, this prevents air being blown in and cooling the Microwave.

Microwaves can be quite good at smelting ores because they provide a high heat low oxygen environment which can be hard to achieve in a furnace.